

GRUDOV, I. I.

ΣΟΚΟΛΟΥ, Ν.Λ.

 $\pi(x), (7)$

b-3

2007/12/31

PLATE 1 BOOK EXPLANATION

Справочник металлста в пяти томах, т. 4, (Metals Engineering Handbook in Five Volumes, Vol 4) Moscow, Mashgiz, 1959. 776 p. 50,000 copies printed.

Eds. (Title page): A.M. Malov, *Candidate of Technical Sciences*; M. (Inside book): V.I. Krylov, *Engineer*; Chel. M.: D.P. Kobzarev, *Editorial Board*; S.S. Adamson, *Chairman and Chief Ed.*; Doctor of Technical Sciences, Professor; V.B. Tikhonov, *Professor (deceased)*; A.M. Malov, *Candidate of Technical Sciences*; S.M. Podgulyayev; A. Ye. Kostylov; G.B. Dolgin; and S.A. Chernavsky, *Managing Ed. for Reference Literature*; V.I. Krylov, *Engineer*.

PURPOSE: This handbook may be useful to technicians and engineers working in the field of machine design and production.

CONTENTS: This volume covers the following topics: casting, forging, pressing, stamping, welding, electric methods of machining, and metal cutting. Recently developed electrical methods of machining which are not yet used in production are described; viz., the so-called "electroplastic" and "electrohydraulic" methods. Re-formalities are mentioned. There are 79 Soviet references.

Card 1/3.

VX. Cutting Regimes (P.P. Ordov [Decreased], Ye.O. Amersbom, and S.A. Sublaptay, Candidates of Technical Sciences)

General Information
Special Training or Assignments
Education
Employment History
References
Remarks

**turning operations
around by buying
equipment at auction**

Turning operations around

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

Animal and Environmental Engineering and Sciences

References

00000000

Definition

Customized with disc-type cores

8-1000 PAPERBACK \$19.95
 8-1000 HARDCOVER \$24.95

**Cutting with powered back-saws
Dressed setting**

Thread cutting

Production Services

Bringing operations into the business

Marketing operations

反共反俄反法反英反日反苏反美

SLEZNIKOV, G.I., inzh.; ANIENKOVA, Ye.G., kand.tekhn.nauk; GRUDOV, P.P.,
kand.tekhn.nauk [deceased]; DEGTYARENKO, N.S., kand.tekhn.nauk;
IMSHENNIK, K.P., kand.tekhn.nauk; KASENKOV, M.A., kand.tekhn.
nauk; MEL'NIKOV, N.F., inzh.; MALOV, A.N., kand.tekhn.nauk;
POKROVSKIY, B.V., inzh.; POLYAK, S.M., kand.tekhn.nauk; POLYANSKIY,
A.N., kand.tekhn.nauk; POPILOV, L.Yu., inzh.; POPOV, V.A., kand.
tekhn.nauk; RUBINSHTEYN, S.A., kand.tekhn.nauk; SOKOLOV, N.L.,
inzh.; SHAMIRGON, S.A., inzh.; SHESTOPAL, V.M., kand.tekhn.nauk;
SHUKHOV, Yu.V., kand.tekhn.nauk; ACHERKAN, N.S., prof., doktor
tekhn.nauk, glavnyy red.; VLADISLAVLEV, V.S., red. [deceased];
POZDNYAKOV, S.N., red.; ROSTOVYKH, A.Ya., red.; STOLBIN, G.B.,
red.; CHERNAVSKIY, S.A., red.; KRYLOV, V.I., inzh, red.;
KARGANOV, V.G., inzh., red.graficheskikh rabot; SOKOLOVA, T.F.,
tekhn.red.

[Metalworking handbook in five volumes] Spravochnik metallista
v plati tomakh. Chleny red.soveta: V.S.Vladislavlev i dr.
Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry. Vol.3. .
Book 2. [Ferrous and nonferrous metal products] Sortament chernykh
i tsvetnykh metallov. 1958. 204 p. Vol.4. 1958. 778 p. (MIRA 12:1)
(Metalwork)

43880-65 EWT(m)/EWP(b)/T/EWP(t) IJP(c) JD/JG

ACCESSION NR: AP5006432

8/0051/65/018/003/0450/0452

AUTHOR: Grudskaya, L. Ye.; Zakharin, Ya. S.; Tsirlin, Yu. A.; Shiran, N. V.; Shakhova, K. V. 21

TITLE: Determination of the possibility of discrimination of particles with different ionization density from the pulse waveform in LiI(Tl), LiI(Eu), and CsI(In) crystals 27

SOURCE: Optika i spektroskopiya, v. 18, no. 3, 1965, 450-452

TOPIC TAGS: scintillation counter, Alpha scintillation, Gamma scintillation, ionization density 19

ABSTRACT: The waveforms of the pulses of α and γ scintillations in crystals of LiI(Tl), LiI(Eu), and CsI(In) were investigated in order to check on the possibility of separating particles having different ionization densities. The forms of the scintillation pulses were investigated by oscilloscope photography of single current pulses, using a photomultiplier RC network time constant either much shorter or much longer than the damping time of the oscillations. The first method is useful in the initial stages of damping, and the second method is better for the

Card 1/2

L 43880-65

ACCESSION NR: AP5006432

slower components. For the LiI(Tl) crystal the average scintillation damping time was 0.29 and 0.26 μsec for γ and α scintillations, respectively. For LiI(Eu) , the damping time for both γ -rays and neutrons was the same, 0.9 μsec . Discrimination could be obtained only with CsI(In) crystals with concentrations up to 10^{-2} mol.%, where the attenuation under γ excitation was 2 μsec and that under α -particle excitation was 1 μsec . The effect of the concentration on the scintillation damping time is briefly discussed. Orig. art. has: 3 figures.

ASSOCIATION: None

SUBMITTED: 13Mar64

ENCL: 00

SUB CODE: NP

NR REF SOV: 002

OTHER: 005

Card 2/2 MB

GRUDSKIY, A. Z.

KAL'YA, S. F., GRUDSKIY, A. Z., and VURGATT, N. B. "Critical notes in connection with the ideas of Professor Dashevskiy on the problems of elastotonometry", Oftalmol. zhurnal, 1948, no. 4, p. 147-52.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, no. 10, 1949).

GRUDOV, P. P., S. I. VOLKOV and V. M. VOROB'EV.

Skorostnoe frezerovanie stali. Moskva, TSentr. biuro tekhn. informatsii, 1950.
258 p. illus.

Bibliography: p. 255-(257).

High-speed milling of steel.

DLC: TJ1230.G77

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of
Congress, 1953.

GRUDOV, P. P. and others.

Skorostnaia obrabotka metallov rezaniem. Izd. 2. Moskva, Oborongiz, 1950. 378 p.

High-speed metal cutting.

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

KALININ, Robert Avgustovich; GUTER, R.S., retsenzent; GRUDNIKOV,
V.I., retsenzent; SHIROKOVA, S.A., red.

[Algebra and elementary functions] Algebra i elementarnye
funktsii. Moskva, Nauka, 1964. 477 p. (MIRA 18:4)

GRUDSKIY Genrikh Rafailovich
CHEBURAKHIN, Aleksandr Yevseyevich; GRUDSKIY, Genrikh Rafailovich; TATARENKO,
Stepan Leonidovich; SMIRNOV, G.S., redaktor; IVANOV, K.A., redaktor
izdatel'stva; TIKHONOVA, Ye.A., tekhnicheskii redaktor

[Work practice of the dredge "Budennyi" of the Azov Administration of
Seaways] Opyt raboty ekipazha zemnariada "Budennyi" azovskogo
upravleniia morskikh putei. Moskva, Izd-vo "Morskoi transport," 1956.
51 p. (MIRA 9:12)

(Dredging)

RASTEGAYEV, Viktor Vasil'yevich; GRUDSKIY, M.M., redaktor; VYNTAUB, A.B.,
tekhnicheskiy redaktor

[Work of the municipal district inspector of the radio rediffusion
network] Rabota uchastkovogo nadzornichika gorodskoi radiotrans-
liatsionnoi seti. Moskva, Gos.izd-vo lit-ry po voprosam aviatsii i
radio, 1954. 11 p. [Microfilm] (MLRA 9:3)
(Radio)

KALOSHIN, Gavril Kuz'mich; GRUDSKIY, M.M., redaktor; GALOYAN, M.A.,
redaktor; LINDNEVA, N.V., tekhnicheskii redaktor

[Underground cable lines for radio communications and com-
munications within districts; nonmetallic cable sheathing]
Podzemnye linii radiofikatsii i vnutriraionnoi svyazi; iz
kabelia s nemetallicheskoj obolochkoi. Moskva, Gos.izd-vo
lit-ry po voprosam svyazi i radio, 1955. 134 p.

(Cables)

(NIRA 9:3)

RYABIN'KIY, Bronislav Yakovlevich; ADARYUKOV, G.I., inzh., retsenzent;
BERLYAND, S.S., inzh., retsenzent; GERASIMENKO, V.A., inzh.,
retsenzent; GRUDSKIY, V.A., inzh., retsenzent; DASHEVSKIY,
Ye.B., inzh., retsenzent; KARPMAN, Ya.I., inzh., retsenzent;
KOROLEV, M.N., inzh., retsenzent; KORSAKOV, A.A., inzh.,
retsenzent; LISENKO, T.P., inzh., retsenzent; PEKILIS, I.B.,
inzh., retsenzent; REVYAKIN, A.A., inzh., retsenzent;
ROMANOVICH, N.D., inzh., retsenzent; FILIPPOV, S.M., inzh.,
retsenzent; BRUSHTEYN, A.I., red.izd-va; DOBUZHINSKAYA, L.V.,
tekh. red.

[Planning and the economics of metallurgical plants] Planirova-
nie i ekonomika metallurgicheskikh zavodov. Izd.3., perer. i
dop. Moskva, Metallurgizdat, 1963. 754 p. (MIRA 16:4)
(Steel industry—Management)

ROYTBURD, Lazar' Nisonovich; PASHKO, Ivan Grigor'yevich; GRUDSKIY, Ye.B.,
redaktor; MIKHAYLOVA, V.V., tekhnicheskii redaktor

[Organization of wages in iron industry] Organizatsiia zarabotnoi
plati na predpriyatiakh chernoi metallurgii. Moskva, Gos. nauchno-
tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1954. 130 p.
(Wages) (Iron industry) (MIRA 8:6)

ORUDSKIY, Yg.

Take into account errors allowed in reviewing output norms. Sots.
trud no.1:63-65 Ja '56. (MIRA 9:7)
(Donets Basin--Steel industry) (Labor productivity)

PASHKO, Ivan Grigor'yevich; GRUDSKIY, Ye.B., red.; AVRUTSKAYA, R.F.,
red.izd-va; MIKHAYLOVA, V.V., tekhn.red.

[Technical progress and the increased labor productivity in
Soviet ferrous metallurgy] Tekhnicheskii progress i povushenie
proizvoditel'nosti truda v chernoi metallurgii SSSR. Moskva,
Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallur-
gii, 1957. 198 p. (MIRA 11:1)

(Labor productivity)

(Metallurgy)

GRUDSKIY, Ye.; MEDVEDEV, M.; KRAVTSOV, D.; RUDNITSKIY, M.; SMIRNOV, Ye.;
~~ZAKHARCHIK~~, N.; MURIN, G.

Transition to the shorter workday and regulation of wages. Sots. trud.
no.8:39-58 Ag '58. (MIRA 11:9)
(Hours of labor) (Wages)

LIBERMAN, Lazar' Moiseyevich; GRUDSKIY, Ye.B., red.; AVRUTSKAYA,
R.F., red.izd-va; KARASEV, A.I., tekhn.red.

[Organization of rhythmic work in metallurgical plants]
Organizatsiya ritmichnoi raboty metallurgicheskikh zavodov.
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po cherno i tsvetnoi
metallurgii, 1959. 205 p. (MIRA 12:8)
(Industrial management) (Metallurgical plants)

KAL'FA, S.F., prof.; VURGAF, M.B., kand.med.nauk; GRUDSKIY, A.Z.

Developmental course and present status of elastotonometry of the
eye. Oft.shur. 14 no.8:451-465 '59. (MIRA 13:4)

1. Iz kafedry glaznykh bolezney (zaveduyushchiy - prof. S.F. Kal'fa)
Odesskogo meditsinskogo instituta im. N.I. Pirogova.
(EYE--EXAMINATION)

SHARAPAN, Boris Savel'yevich, dotsent [deceased]. Prinimali uchastiye:
FEL'DMAN, Ya.I.; GRUDSKIY, Ye.B.; PEKELIS, I.B., RYABIN'KIY,
B.Ya., red.; KHUTORSKAYA, Ye.S., red.izd-va; ISLENT'YEVA, P.G.,
tekhn.red.

[Analysis of the economic aspects of a metallurgical plant
operations] Analis khoziaistvennoi deiatel'nosti metallurgi-
cheskogo zavoda. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po
chernoi i tsvetnoi metallurgii, 1960. 259 p. (MIRA 13:4)

1. Dnepropetrovskiy metallurgicheskii institut (for Sharapan).
(Metallurgical plants--Accounting)

RYABIN'KIY, Bronislav Yakovlevich; BERLYAND, S.S., inzh., retsenzent; GKRA-SIMENKO, V.F., inzh., retsenzent; GRUDSKIY, Ya.B., inzh., retsenzent; DASHCHVSKIY, Ya.I., inzh., retsenzent; DVORIN, S.S., inzh., retsenzent; KAMALOV, O.M., inzh., retsenzent; KARPMAN, M.A., inzh., retsenzent; KASHCHENKO, D.S., inzh., retsenzent; KOROLEV, M.N., inzh., retsenzent; KORSAKOV, A.A., inzh., retsenzent; LISSENKO, T.P., inzh., retsenzent; PEKELIS, I.B., inzh., retsenzent; REVIYAKIN, A.A., inzh., retsenzent; ROMANOVICH, N.D., inzh., retsenzent; PRIYMAK, I.A., prof., red.; AVRUTSKAYA, R.F., red.iad-va; ISLENT'YEVA, P.G., tekhn.red.

[Planning and economics of metallurgical plants] Planirovanie i ekonomika metallurgicheskikh zavodov. Izd.2., dop. i perer. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1960. 736 p. (MIRA 13:2)

(Metallurgical plants)

PRIYMAK, I.; GRUDSKIY, Ye. A. MEYERZON, D.

Technological progress and the establishment of work norms in
ferrous metallurgy. Sots.trud 5 no.1:77-87 Ja '60. (MIRA 13:6)
(Steel industry--Production standards)

VOLOBUYEV, V.I.; FILIPPOV, I.N.; RYZHENKO, D.M.; CHECHERINDA, S.S.;
SAMURA, I.N.; GRUDSKIY, Ya.B., red.; ANDREYEV, S.P.,
tekhn. red.

[Work experience of innovators in a wire rod mill] Opyt
raboty novatorov provolochnogo stana. Khar'kov, Metal-
lurgizdat, 1954. 89 p. (MIRA 16:8)
(Rolling mills—Technological innovations)

GRUDSKIY, Ye.D.

Decontamination of waste waters from arsenic-soda desulfuration
with the recovery of salts. Koks i khim. no.8:47-50 '63.
(MIRA 16:9)

1. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy
koksokhimicheskoy promyshlennosti.

(Salts) (Industrial wastes—Purification) (Desulfuration)

GRUDTSIN, N. P.

FD-1221

USSR/Physics-Piezoelectricity

Card 1/1 Pub. 153-5/22

Author : Smolenskiy, G. A., Tarutin, N. P. and Grudtsin, N. P.

Title : Piezoelectric properties of solid solutions of barium zirconate in barium titanate

Periodical : Zhur, tekhn. fiz., 24, 1584-1593, Sep 1954

Abstract : The same laws were found to govern solid solutions of BaZnO_3 in BaTiO_3 and of BaSnO_3 in BaTiO_3 . The peak value of dielectric permeability was found at a content of 18% BaZnO_3 . The peak dielectric permeability of solid solutions with a weak electrostriction decreased noticeably after polarization by high voltage. The maximum value of the piezomodulus is observed at a temperature lower than the peak dielectric permeability. Seven references including one US.

Institution :

Submitted : March 9, 1954

GRUDTSINA, A. I.

22666. Grudtsina, A.I. K voprosu o vazomotornykh svoystvakh krovi gipertonikov.
sbornik nauch. trudov bashkir, med. in-ta im. 15-letiya vlksn, T. IX, 1949, S. 45-48

SO: L 'TOPIS' NO. 20, 1949

GRUDTSINA, A.I.; KURMANKAYEVA, Z.N.

Radioactive mineral springs of Krasnousol'sk (Bashkir A.S.S.R.),
Vop.kur.fizioter. i lech.fiz.kul't. 23 no.1:79 '58.
(MIRA 11:3)

1. Iz kafedry fiziki (zav. - starshiy prepodavatel' kandidat meditsin-
skikh nauk A.I.Grudtsina) Bashkirskogo meditsinskogo instituta (dir -
dotsent N.F.Vorob'yev)
(KRASNOUSOL'SK--MINERAL WATERS)
(HEALTH RESORTS, WATERING PLACES, ETC.)

GRUDTSINA, A.I., dots; MINGAZETDINOV, A.A., vrach

Problems in labor hygiene in the preparations of radon baths.
Gig. i san. 25 no. 6:59-62 Je '60. (MIRA 14:2)

1. Iz Bashkirskogo meditsinskogo instituta i Bashkirskoy
respublikanskoy sanitarno-epidemiologicheskoy stantsii.
(RADON—THERAPENTIC USE) (RADIATION PROTECTION)

GRUDTSINA, A.I.; KURMANKAYEVA, Z.N.

Radioactivity of the vapors and gases of Yangan-Tau Health
Resort (Bashkir A.S.S.R.). Vop.kur., fizioter. i lech. fiz.
kul't 30 no.5:463-464 S-O '65.

(MIRA 18:12)

1. Bashkirskiy meditsinskiy Institut, Ufa.

GRUDTSINA, A.V.

~~Electrification of collective farms in the Kabardian A.S.S.R. and~~
the role of machine tractor stations. Uch. zap. KNII 11:357-374 '57.
(Kabardia--Rural electrification) (MIRA 10:12)
(Kabardia--Machine-tractor stations)

SYCHEVSKAYA, V.I.; GRUDTSINA, M.V.; VYRVIKHVOST, L.A.

Epidemiological significance of synanthropic flies in Bukhara.
Ent. oboz. 38 no.3:568-578 '59. (MIRA 13:1)

1. Uzbekskiy institut malyarii i meditsinskoy parazitologii i
Bukharskaya oblastnaya sanitarno-bakteriologicheskaya laboratoriya.
(BUKHARA--FLIES AS CARRIERS OF DISEASE) (DYSENTERY)

KOTLYARENKO, B.M., vrach; GLUSKER, M.S., vrach; TAMARKIN, I.D., vrach;
GRUDTSYN, A.V., vrach (Gomel')

Endemic goiter in Gomel' Province. Sov. zdrav. 21 no.9:45-47:62
(MIRA 17:4)

1. Iz Gomel'skogo oblastnogo protivozobnogo dispensera (glavnyy
vrach - B.M.Kotlyarenko).

GRUDTSYN, I., 1969.

...ulation rates on electric motors. Inzhener. 11 n. 7-11. 51 '69.
(MIRA 18:8)

1. Laboratoriya nadezhnosti Moskovskogo elektromekhanicheskogo zavoda
imeni Vladimira Il'icha.

GRUDTSYNA, M. P.

GRUDTSYNA, M. P.: "Fermentative activity of the smooth and coarse forms of certain types of microorganisms." Min Health RSFSR. Saratov State Medical Inst. Saratov, 1956. (Dissertation for the Degree of Candidate in Medical Science.)

Knizhnaya letopis', No. 30, 1956. Moscow.

USSR/Microbiology - General Microbiology.
Variability and Heredity.

F

Abs Jour : Ref Zhur Biol., No 22, 1958, 99258

Author : Grudtsyna, M.P.

Inst : Saratov Medical Institute

Title : Fermenting Activity of Smooth and Coarse Forms of Various
Species of Microorganisms

Orig Pub : Sb. nauchn. rabot. Saratovsk. med. in-t, Saratov, 1957,
28-33

Abstract : The metabolism in smooth forms of two strains of *Bacillus coli*, one strain of *Staphylococcus albus*, and two strains of yellow *Sarcina flava* had a more anaerobic character than in coarse forms. Catalase and peroxidase activity of R-forms was higher than S-forms in all strains. Cytochrome-oxidase activity of R-forms of *Staphylococcus*

Card 1/2

- 11 -

USSR/Microbiology - General Microbiology,
Variability and Heredity.

F

Abs Jour : Ref Zhur Biol., No 22, 1958, 99258

albus and *Sarcina* was also higher than in S-forms. Cytochrome-oxidase activity of S-forms of the *Bacillus coli*, grown under aerobic conditions, was higher than in R-forms. R-forms of all the strains studied did not break down glucose; S-forms utilized the latter to a varying degree. Study of the variation of action of the ferments, catalyzing the process of respiration, indicated qualitative variations in the oxidizing system in the transition of S-forms to R-forms.
-- M.A. Gruzman

Card 2/2

GRUDTSYNA, M.P.

Catalase and peroxidase activity in remote dissociants of some types of micro-organisms. Trudy Sar. gos. med. inst. 26:243-244 '59. (MIRA 14:2)

1. Saratovskiy meditskiy institut, kafedra biologicheskoy khimii (zav. - prof. N.N. Ivanovskiy).
(CATALASE) (PEROXIDASES) (STAPHYLOCOCCUS)
(ESCHERICHIA COLI) (SARCINA LUTEA)

IVANOVSKIY, N.N.; GRUDTSYNA, M.P.

Method for suppressing the creeping growth of *Proteus vulgaris*.
Trudy Sar. gos. med. inst. 26:245-247 '59. (MIRA 14:2)

1. Saratovskiy meditsinskiy institut, kafedra biologicheskoy khimii
(zav.-prof. N.N. Ivanovskiy).

(PROTEUS VULGARIS)
(BACTERIOLOGY—CULTURES AND CULTURE MEDIA)

SOV/86-58-8-30/37

AUTHOR: Grud'yan, A.I., Sen Engr Lt, and Rodionov, R.Ye.

TITLE: For Greater Exchange of Experience Among the Repair Shops (Shire obmen opytom mezhdru remontnymi predpriyatiyami)

PERIODICAL: Vestnik vozdushnogo flota, 1958, Nr 8, pp 81-82 (USSR)

ABSTRACT: The authors of this short article are of the opinion that a greater exchange of experience among the various organs would contribute much to improve the quality of repair work on aviation material.

Card 1/1

5.3400

77672
SOV/80-33-2-47/52

AUTHOR: Grud'yev, I. L.

TITLE: Brief Communications. The Preparation of Crotonaldehyde

PERIODICAL: Zhurnal prikladnoy khimii, 1960, Vol 33, Nr 2, pp
493-494 (USSR)

ABSTRACT: Sodium hydroxide was added to acetaldehyde and the
mixture slowly heated to 49-50° for 1.5 hr.

(a)		(d)	(e)		(h)
(b)	(c)		(f)	(g)	
490	60	47	86	232	73
478	05	44	100	219	73
497	50	47	135	248	81.5
483	50	48	103	245	81.5
570	55	48	142	195	57.5*
524	50	47	106	247	74.5
509	60	48	123	233	74.5
481	60	48	84.5	225	70.5
590	60	48	153.2	268	76.5
530	50	40	129	212	70

Card 1/3

Brief Communications. The Preparation
of Crotonaldehyde

77672

SOV/80-33-2-47/52

Table. The results of preparation of crotonaldehyde:
(a) Charged with; (b) acetaldehyde (in g); (c) 2%
solution of alkali (in ml); (d) max t^0 ; (e) obtained;
(f) distilled acetaldehyde (in g); (g) pure croton-
aldehyde (in g); (h) yield (% theory); (*) was
neutralized with H_2SO_4 .

Card 2/3

Brief Communications. The Preparation
of Crotonaldehyde

77672
SOV/80-33-2-47/52

There is 1 table; and 5 references, 2 Soviet, 2 German,
1 French.

ASSOCIATION: Ukrainian Scientific-Research Institute of Food
Industry (Ukrainskiy nauchno-issledovatel'skiy
institut pishchevoy promyshlennosti)

SUBMITTED: May 23, 1953

Card 3/3

USSR / Human and Animal Morphology (Normal and Patho- S-5
logical). Blood-Vascular System. Vessels.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79137.

Author : Grudz', P. Z.

Inst : ~~Not given.~~

Title : Development of Collaterals After the Disengage-
ment of the Iliac Arteries in Rabbits.

Orig Pub: Novyy khrurg. arkhiv, 1956, No 6, 83-92.

Abstract: After the ligation of the common and external
iliac arteries (A) of rabbits, the major role
in the formation of collateral blood circula-
tion belongs to the lumbar the middle sacral,
ilio-lumbar and hypogastric A. The majority of
the collateral tracts develop from intramuscular
arterial anastomoses. In the mass of the later-
al and anterior wall of the animal, long collat-

Card 1/2

USSR / Human and Animal Morphology (Normal and Patho- S-5
logical). Blood-Vascular System. Vessels.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79137.

Abstract: eral tracts are formed which connect the renal
and lumbar A with the ilio-lumbar and femoral,
as well as the cranial epigastric A with the
caudal epigastric. Paralysis of the extremity
sets in immediately after the disengagement of
of the iliac A, gradually substituted by paresis,
and toward the end of the first month the func-
tion of the extremity is completely restored.
Bib. 20 titles.

Card 2/2

satisfactorily eliminates annual weeds in sowings of winter wheat. Orig. art. has:
4 tables.

SUB CODE: 06/ SUBM DATE: 15Mar66/ ORIG REF: 006/ OTH REF: 006

Card 2/2

Grudzhian, A. A.

USSR/Optics - Physiological Optics, K-9

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 35935

Author: Grudzhian, A. A.

Institution: None

Title: On the Adaptation of the Light- and Color-Perception Apparatus of Vision

Original

Periodical: Dokl. AN SSSR, 1956, 107, No 3, 405-407

Abstract: Curves are given for the relative light- and color-sensitivity of the peripheral parts of the retina, removed by 15° from the center, as functions of the adaptation to spectral radiations of various wavelengths ($\lambda = 436, 371, 501, 546, 578, 612, 650$, and $690 \text{ m}\mu$) and to white light. The spectral sensitivity is determined for the same wavelength. The field of adaptation had an angular dimension of 60° , while the object measured 5° .

Card 1/1

87A

5

1128

537 521 : 351.594

Szpor S., Grudziński S., Kuzniar W. Experimental Lightning Field in Szklarska Poręba.

„Urządzenia do badań nad piorunem w Szklarskiej Porębie” Przegląd Elektrotechniczny, No. 4—5—6, 1951, pp. 165—169, 4 figs

Description of new implements. Organization of experimental studies on lightning problems. The influence of electrical resistances, studies on thermal effects on conductors. Series of steel towers, each supporting two V-disposed wooden poles. Resistances along one pole, conductors on the other. Expulsion-type recorders. Magnetic films and results of research on their accuracy.

GRUDZIECKI, S.

P O L .

031310000001

3285

Grudziecki S. Experiments with Air-Blast Lightning Arresters in 15-kV Networks.

„Badania nad zastosowaniem ogromników wydmuchowych w sieciach 15 kV”. Energetyka. No. 3. 1953, pp. 108—111, 12 figs.

Description of experiments carried out in the High Voltage Institute with air-blast lightning arresters — of both Polish and foreign make. Close attention was devoted to the materials used in extinguishing the arc, and a number of oscillograms taken showing the resistance of lightning arresters against ignition voltage and atmospheric influences. Description of tests carried out under operating conditions of some dozens of lightning arresters which produced positive results. The method of installing lightning arresters is also dealt with.

BT 25/11

GRUDZIECKI, S.

"Technical conditions for acceptance of cogwheels in the automobile industry. Pt. 2." p. 277. (TECHNIKA MOTORYZACYJNA Vol. 4, No. 9. Sept. 1954. Warszawa, Poland)

SO: Monthly List of East European Accessions. (EEAL). LC. Vol. 4, No. 4, April 1955. Uncl.

WISNIEWSKI, J.

"Testing gas-emitting materials." p. 554. (Przegląd Elektrotechniczny, Vol. 29, no. 11/12, Dec 54, Warszawa)

SO: Monthly List of East European Accessions, Vol 3 No 6 Library of Congress Jun 54 Uncl

S/196/62/000/024/009/014
E194/E155

AUTHOR: Grudziecki, Stefan

TITLE: An electrical insulating material which evolves gas to extinguish an electric arc

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika, no.24, 1962, 11-12, abstract 24 B 65 P. (Polish pat. cl. 2lc, 35/10, no.44063, March 3, 1962)

TEXT: The material patented consists of mixtures of fine grains of $Al_2O_3 \cdot 3H_2O$ with organic binders (epoxide resin, rubber, etc). Surface discharge over the material generates steam which promotes extinction of the arc. As the binder decomposes, carbon is formed which is oxidised by the oxygen of the water. The reaction is endothermic and takes energy from the arc, which promotes arc-extinction. The material is for use in fuses, circuit breakers and gas-blast lightning arresters. ✓

[Abstractor's note: Complete translation.]

Card 1/1

Prof. M. G. G. G. G.

New types of expulsion lightning arresters for 10-15 kv.
Acta techn. gadanensis no. 1153-178 '63.

Operational results observation of 15 kv. expulsion lightning
arresters. Ibid.: 172-178

New insulating and gas-evolving material. Ibid.: 179-203

GRUDZIEN, Grzegorz, mgr. inż.

Automation of draining pumps. Wiad gorn 13 no.1:23-26
Ja '62.

GRUDZIEN, Grzegórz, mgr inż.

Filling control of hydraulic couplings. Wiadom gorn 13 no.9:311-
312 S '62.

GRUDZIEN, Grzegorz, mgr inż.

Improved automation system of conveyers. Wiadom gorn 14 no. 7/8;
231-233 J1-Ag '63.

GRUDZIEN, J., Tertil, S.

Brown coal from carbon as a raw material for chemical treatment. Biuletyn. p. 7.
(KOKS, SMOLA, GAZ. Vol. 1, no. 2, Apr./June 1956, Katowice, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957.
Uncl.

GRUDZIEŃ J.

Two-stage gasification of sapropelite matter. S. Grudzień and Grudzień. (Prace Inst. Mineral. i Geol. 1960, 8, 109-111).
 For the gasification of shale and sapropelite with superheated steam at 400° was carried out until oil separation ceased, and the temp. was then increased to 550°. Oil from each stage was condensed separately and its composition and properties determined. Decrep. position of bitumen between 400 and 550° gives indication of increased viscosity. (From English summary.)

JMB
 MT

GRUDZIEN, J.

POLAND/Chemical Technology. Chemical Products and Their Application.
Treatment of Solid Mineral Fuels.

H-22

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 15693.

Author : Tertil S., Grudzien J.

Inst : Institute of the Ministry of Metallurgy

Title : Chemical Processing of Polish Brown Coal of the Carboni-
ferous.

Orig Pub: Prace inst. Min-wa hutn., 1957, 9, No 2, 81-85.

Abstract: Study of specimens of coal varieties found in deposits of
sapropelic coal of the eastern wall of the Polish coal basin
and classified as appertaining to the category of brown coal
of the Carboniferous, as well as study of the low temperature
carbonization tars derived from them, has shown that low tem-
perature carbonization produces up to 15% yields of tar and
gasoline; from the tar can be produced a motor fuel with a
cetane rating of up to 50; the semicoke is characterized by

Card : 1/2

POLAND/PROCESSED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000617110019-5"

Treatment of Solid Mineral Fuels.

H-22

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 15693.

a low ash content (5-10% ash) but has inferior mechanical pro-
perties. The conclusion is reached that the coal varieties
under study are of greater value, in comparison with Polish
coal and lignite, in the production of high-grade liquid pro-
ducts, with higher yields, by low temperature carbonization.

Card : 2/2

GRUDZIEN, J; TERTIL, Z.

Processing low-temperature tar from bituminous coal by the method of selective refining. p. 2.

KOKS, SMOLA, GAZ. Katowice, Poland. Vol. 4, no. 1, January/February 1959.

Monthly list of East European Accession (EAI) LC, Vol. 8, no. 7, July 1959

Uncl.

GRUDZIAN, J. ; LADAK, J.

The presence of bituminous shells in Zacisze near Sidra. p. 423.

PRZEBUD GEOFIZYCZNY. (Wydawnictwa Geologiczne) Warszawa. Poland.
Vol. 7, no. 9, Sept. 1959.

Monthly List of East European Accessions (EEAI) LG, Vol. 9, no. 2, Feb. 1959.

Uncl.

GRUDZIEN, Julian

Quick determining of total phenol and organic acids contents
in producer phenol waters with a higher strength of phenols.
Koks smola gaz 6 no.2:63-o4 Mr-Ap '61.

1. Instytut Chemicznej Przerobki Węgla, Zabrze.

GRUDZIEN, Julian

Apparatus for exhaustive extraction of phenolic water by means of ethyl ether for analytical purposes. Koks 7 no.3:117-118 My-Je '62.

1. Instytut Chemicznej Przerobki Węgla, Zabrze.

GRUDZIEŃ, Julian

Low temperature carbonization of poor bituminous shale. Koks 8
no.2:53-56 Mr-Ap '63.

1. Instytut Chemicznej Przerobki Węgla, Zabrze.

GRUDZIEŃ, Julain

Dephenolization of coking plant waste waters. Koks 8 no.6:
219-224 D '63.

1. Instytut Chemicznej Przerobki Węgla, Zabrze.

GRUDZIEN, Julian

POLAND

BADAK, Jerzy; GRUDZIEN, Julian

1. Carpathian Field Station of the Geological Institute
(Karpacka Stacja Terenowa IG /Instytutu geologicznego/
(for Badak?); 2. Department of Bi-product Exploitation
of I Ch PW (Zaklad Wykorzystania Produktow Ubocznych
IChPW)(for Grudzien?)

Warsaw, Kwartalnik geologiczny, No 3, 1963, pp 446-51.

"Characteristics of the Quaternary Bituminous Shales
from Bialnin, near Rawa Mazowiecka".

GRUDZIEN, Maria; WAGA-RZUCIDLO, Maria

Lymphangioma of the mesentery. Gin polska 32 no.4:443-447 '61.

1. Z II Kliniki Położnictwa i Chorob Kobietych AM w Lublinie Kierownik:
doc. dr med. J. Tynecki

(LYMPHANGIOMA diag)

(MESENTERIES neopl)

(PREGNANCY ECTOPIC diag)

KOZIEJOWSKI, Stanislaw; ZYCH, Mieczyslaw; GRUDZIEN, Maria; SEREWKO, Mieczyslaw

Results of the use of metergin in the 3d stage of labor. Polski tygod.
lek. 16 no.29:1116-1118 17 J1 '61.

1. Z II Kliniki Poloznictwa i Chorob Kobietych A.M. w Lublinie; kierownik:
doc. dr med. Jozef Tynecki.

(ERGOT ALKALOIDS ther) (LABOR)

GRUDZIEN, Tadeusz

In the Cellulose and Paper Plant in Wloclawek; better technological development because of the activities of plant branches of the Chief Technical Organization. Przegl techn no.48:10 30 N '60.

GRULIENSKI, T.

"Practical calculation of the approximate volume of fuel injected by a fuel injection valve; the Bosch type and those similar" (P. 261). MOTORYZACJA (Ministerstwo Transportu Drogowego i Lotniczego) Warszawa, Vol. 8, No. 9, Sept 1953.

SO: East European Accessions List, Vol 3, No. 9, Aug 1954.

GRUDZIENSKI, T.

Why should we use high-pressure engines? p. 68

MOTORZACJA (Ministerstwo Transportu Drogowego i Lotniczego),
Warszawa, Poland
Vol. 14, No. 3, Mar 1959

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, N . 11,
November 1959
Uncl.

GRUDZIENSKI, Tadeusz, inż.

Specialized automobiles. Przegl techn 84 no.23/24:3,6 9-16 Je '63.

6-8002-100

USSR / Pharmacology, Toxicology. Chemo-Therapeutic Preparations. V
Anthelmintic Drugs.

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 25015

Author : ~~Gruzdina, S. F.~~

Inst : Scientific Research Institute of Malaria and
Parasitology

Title : Comparative Evaluation of the Effectiveness of Treatment
of Ancylostomiasis with Various Preparations

Orig Pub : Byul. N.-1. in-ta malyarii i med. parazitol. GruzSSR,
1955, No 1-2, 107-111

Abstract : In treatment of ancylostomiasis, the most effective is
CCl₄, which gives, complete elimination of ancylostomides
in 73.2% of cases of mixed invasion and, in 89.3% of
cases of pure ancylostomiasis. In application of oil of
chenopodium, it is most effective to order it with saline
laxative, which gives, in mixed invasion, complete

Card 1/2

38

POLIVTSKAYA, A.A.; LYUBCHENKO, S.D.; GRUDZINO, S.F.

Observations on the development and vitality of the eggs and larvae of Necator under the conditions in the various regions of the Georgian S.S.R. Med.paraz.i paraz.bol. no.1:91-95 '62.

(MIRA 15:5)

1. Iz Nauchno-issledovatel'skogo instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni S.S. Virsaladze Ministerstva zdravookhraneniya Gruzinskoy SSR (dir. instituta I.I. Topuriya, rukovoditel' gel'mintologicheskogo otdeleniya - prof. G.N. Gordadze).

(GEORGIA---HOOKWORMS)

GRUDZINSKA, A.

The sodium and potassium content of human saliva. Acta biochim. polon.
5 no.1:67-74 1958.

1. Z Zakladu Chemii Fizjologicznej Akademii Medycznej w Gdansk Kierownik:
prof. dr Wl. Mozolowski.

(SODIUM, determination
in human saliva (Pol))

(POTASSIUM, determination
in human saliva (Pol))

(SALIVA,
potassium & sodium content in humans (Pol))

GRUDZINSKA, Alicja

Comparison of free amino acids in human urine and saliva. Acta
biochim.polon. 7 no.2/3:235-238 '60.

1. Zaklad Chemii Fizjologicznej AM, Gdansk Kierownik: prof. dr
Wl.Mozolowski
 (AMINO ACIDS chem)
 (SALIVA chem)

. GRUDZINSKA, Alicja

Undetermined ninhydrin-positive compound in human saliva. Acta
biochim. polon. 9 no.2:159-164 '62.

1. Department of Biochemistry, Medical School, Gdansk.
(SALIVA chem) (INDICATORS AND REAGENTS)

RZECZYCKI, W.; GRUDZINSKA, Alicja; HILLAR, M.

The cathodic proteins in hog kidney mitochondria. Acta biochim. polon.
9 no.3:295-299 '62.

1. Department of Biochemistry, Medical School, Gdansk.
(MITOCHONDRIA - chemistry) (KIDNEY - chemistry)
(PROTEINS - chemistry) (ELECTROPHORESIS)

RZECZYCKI, W.; GRUDZINSKA, Alicja; HILLAR, M.; WSZELAKI-LASS, Ewa

Isolation and amino acid composition of the cathodic protein from
hog kidney mitochondria. Acta biochim. pol. 10 no.1:49 '63.

1.Department of Biochemistry, Medical School, Gdansk.
(NO SUBJECT HEADINGS)

TYMINSKI, Witold; TAUBENFLINGEL, Wiktor; ROGOMSKI, Antoni; GIB'DZIESKA,
Alicja

Rate of glucose disappearance from the circulating blood following
partial gastric resection. Pol. tyg. lek. 19 no.51:1955-1957
21 D '64

1. Z III Kliniki Chorob Wewnętrznych Akademii Medycznych w
Gdansk (Kierownik: prof. dr.med. M. Gamski) i z III Kliniki
Chirurgicznej Akademii Medycznej w Gdansk (Kierownik: prof. dr.
med. Z Kieturakis).

PALIWODA, Tadeusz; GRUDZINSKA, Barbara; SOSNIEZ, Marian

Decerebration syndrome following cardiac arrest. Pol. tyg. lek. 17
no.40:1557-1560 1 0 '62.

1. Z I Kliniki Chirurgicznej Sl. AM w Zabrze; kierownik: prof. dr med.
S. Szyszko, z Kliniki Neurologicznej Sl. AM; kierownik: prof. dr med.
W. Chlopicki i z Zakladu Anatomii Patologicznej Sl. AM; kierownik:
prof. dr med. W. Niepolomski.

(HEART ARREST)

(DECEREBRATE STATE)
(STELLATE GANGLION)

(AUTONOMIC NERVE BLOCK)

FILIPOWICZ, A.; GRUDZIŃSKA, B.

The clinical picture of temporal seizures in children according to data of the Neurological Clinic of the Silesian Academy of Medicine in Zabrze. Neurol. neurochir. psychiat. pol. 13 no.6:815-818 N-D'63

1. Z Kliniki Neurologicznej Sl. AM w Zabrze; kierownik: prof. dr. W. Chlopicki.

*

ROSCISZEWSKA, Danuta; GRUDZIŃSKA, Barbara

Clinico-electroencephalographic correlations in temporal lobe epilepsy. Neurol. neurochir. psychiat. Pol. 15 no.3:415-418 My-Je '65.

1. Z Kliniki Neurologicznej Slaskiej AM (Kierownik: prof. dr. med. W. Chlopicki).

GRUDZINSKA, Barbara; FILIFOWICZ, Alicja

Two cases of photogenic epilepsy with autoprovoaking of
seisures. Neurol. neurochir. psychiat. Pol. 15 no.3:
485-488 My-Je '65.

1. Z Kliniki Neurologicznej Slaskiej AM (Kierownik:
prof. dr. med. W. Chlopicki).

KASPEREK, Stefan; SPIOCHOWA, Maria; BORKOWSKA, Zofia; GRUDZINSKA, Barbara

Observations on cases of subacute sclerosing leukoencephalitis.
Pediat. Pol. 40 no.8:843-850 Ag '65.

1. Z Kliniki Neurologicznej Slaskiej AM w Zabrze (Kierownik:
prof. dr. W. Chlopicki).

Medico-legal evaluation of permanent distortion of the face
in stomatologic practice. Czas. stomat. 18 (1983-1986) 165-166.

1. Z Zakładu Medycyny Sądowej Pomorskiej AM w Szczecinie
(Kierownik: prof. dr. med. J. Z. Walczyński) i z Kliniki
Chirurgii Stomatologicznej Pomorskiej AM w Szczecinie
(Kierownik: prof. dr. med. J. Górecki-Schjorck).

GRUDZINSKA, Pelagia; GRUDZINSKI, Stefan

Notes on the synthesis of some salts of *p*-nitrophenylhydrazine and their dehydration to *p*-nitrophenylhydrazides. Roczniki chemii 34 no.5: 1495-1498 '60. (EEAI 10:9)

1. Department of Chemistry, School of Economy, Lodz, and Department of Chemical Technology of Medical Products, Medical Academy, Lodz.

(Salts)	(Nitrophenylhydrazine)	(Hydrazides)
	(Nitrophenyl group)	

GRUDZINSKA, P.

The reaction of cyanomethyl carboxylates with arylhydrazines. Pt.3.
Acta chim 8:131-140 '62.

1. Department of Chemistry, University, Lodz. Presented by W. Kirkor.

GRUDZINSKA, S.

"Photovisual stellar magnitudes in the Sagitta field"

p. 1 (Studia, Sectio F: Astronomia, Vol. 1, no. 3, 1958, Torun, Poland)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1, Jan. 59.

GRUDZINSKA, S.

The emission of Paschen's O Ceti series. Postepy astronom
10 no.2:147-148 '62.

GRUDZINSKA, S.

Correlation between the glare variations of the comet Arend-Roland (1956) and the solar activity. Acta astronom 12 no.2:132-135 '62.

1. Observatoire Astronomique de l'universite N.Copernic,
Torun.

GRUDZINSKA, S.

Correlation between the secondary glare variations of the comet
Mrkos (1957) and the solar activity. Acta astronom 12 no.2:
136-137 '62.

1. Observatoire Astronomique de L'Universite N.Copernic, Torun.

GRULOVINKA, S.

Emission lines in the infrared spectrum of a Comet. Postepy
astronom 12 no.1:12-13 '64.

Photometry of the comet Ikeya spectra (1963a). Ibid. 13-14

L 05323-67

ACC NR: AP7000230

(N)

SOURCE CODE: PO/0099/66/040/002/0335/0337

GRUDZINSKI, S., of the Department of Chemical Technology of Medical Products, School of Medicine (Katedra Technologii Srodkow Leczniczych A.M.), Lodz.

18
B

"Studies on Cyanomethyl Esters. VI. Reactions of Cyanomethyl N-Methyl-2-Pyridone-5-Carboxylate with Ammonia and Amines"

"arsaw, Roczniki Chemii, Vol 40, No 2, 1966, pp 335-337.

Abstract: Cyanomethyl N-methyl-2-pyridone-5-carboxylate is converted to the corresponding amide by ethanolic ammonia solution, and is alcoholized to the appropriate methyl ester by methanolic ammonia solution. Amines act in a similar manner.

Orig. art. has: 3 figures. [JPRS: 36,002]

TOPIC TAGS: organic amide, ammonia, amine, cyanogen compound

SUB CODE: 07 / SUBM DATE: 20 Oct 65 / ORIG REF: 002 / OTH REF: 003

KH

Card 1/1

LISZEWSKA, Danuta; SLIDZIEWSKI, Konstanty; RUDNICKI, Stanislaw;
GRUDZINSKA, Wacława; CUCHRA, Alicja

Clinical usefulness of Schnur's and Peele's prognostic
indices in myocardial infarction. Pol. tyg. lek. 20 no.40:
1496-1499 4 0 '65.

1. Z IV Kliniki Chorob Wewnętrznych AM w Warszawie (Kierownik:
prof. dr. med. A. Askanas).

GRUDZINSKA, Zofiz, inż.

Microscope with Leitz perflcetometer for length
measurements. Pomiary 9 no.2:95-96 F '63.

1. Laboratorium Warsztatowych Narzedzi Mierniczych,
Glowny Urzad Miar, Warszawa.

GRUDZINSKAYA. E.Ye., mladshiy nauchnyy sotrudnik

Microflora of southern sour milk. Trudy NIMI [Mol.] no.20:
103-108 '59. (MIRA 13:10)
(Milk, Fermented) (Bacteriology--Cultures and culture media)

BOGDANOV, V.M.; YAKUSHEV, V.V.; GRUDZINSKAYA, E.Ye.

[Enrichment of dairy products by the addition of vitamin
B₁₂] Obogashchenie molochnykh produktov vitaminom B₁₂.

Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi
promyshl., 1963. 14 p. (MIRA 17:7)

GRUDZINSKAYA, I. A.

"Broad Deciduous Forests in the Foothills of the Southwestern
Caucasus and the Interrelations of Varieties in Them." Sub 13
Jun 51, Inst of Forestry, Acad Sci USSR.

Dissertations presented for science and engineering degrees in
Moscow during 1951.

SO: Sum. No. 480, 9 May 55

GRUDZINSKAYA, I.A.

Root systems of various tree species in Derkul forest plantations.
Trudy Inst. lesa 30:171-219 '56. (MLRA 10:4)
(Derkul Steppe--Trees) (Roots (Botany))

~~GRUDZINSKAYA, I. A. GRUDZINSKAYA, I. A.~~
USSR/Forestry - Forest Culture.

J-4

Abs Jour : Referat Zhur - Biologiya, No 16, 25 Aug 1957, 69130

Author : Grudzinskaya, I.A.

Inst :

Title : Significance of Elm Species in Steppe Forestry.

Orig Pub : Tr. In-ta lesa. AN SSSR, 1956, 30, 220-234

Abstract : Experiments were conducted in the territory of the Derkul'sk scientific-experimental station of the forest institute, Academy of Sciences, USSR. The usefulness of elm species in steppe forestry is established in addition to oaks, sharples of maple and ash trees. Most suitable to growth in steppe plantings is the small-leaf ash tree, which forms abundant root sprouts when its roots are diseased. Therefore it is not recommended to place it in the outermost rows of strips. The smooth elm is the least stable species in dry habitats, but yields good results in planting near ponds, along banks

Card 1/2

- 51 -

USSR/Forestry - Forest Culture.

J-4

Abs Jour : Referat Zhur - Biologiya, No 16, 25 Aug 1957, 69130

of rivers, in the steppe zone. At places near the water demarcation line of steppes, treetops begin to wither early. In antierosion plantings the best effect is manifested by the English elm, which cements the soil due to its ability to form root shoots speedily. The stability of English elm in drought, it seems, is connected with mycostrophic nourishment, since a copious development of mycorhiza is observed in the upper soil layer.

Card 2/2

- 52 -

GRUDZINSKAYA, I.A.

Concerning the systematics of some species of Ulmus. Bot. zhur.
41 no.1:97-104 Ja '56. (MIRA 9:6)

1. Institut lessa Akademii nauk SSSR, Moskva.
(Elm)

GRUDZINSKAYA, I.A.

Phenological forms of trees in the steppe zone [with summary in English]. Biol.MOIP. Otd.biol. 61 no.6:71-75 M-D '56. (MIRA 10:8)
(OAK) (ELM) (PHENOLOGY)